

Converting Colors

Yxy(23.2210, 0.3844, 0.1891)

Have a look what the booklet for
Yxy(23.2210, 0.3844, 0.1891)
contains.

Yxy(23.2627, 0.3844, 0.1891)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.2627, 0.3844, 0.1891)

Conversions

Conversions Part 1

Format	Color
Hex	F500C1
RGB	245, 0, 193
RGB Percent	96%, 0%, 76%
CMY	0.0392, 1.0000, 0.2430
CMYK	0.00, 1.00, 0.21, 0.04
HSL	313°, 100%, 48%
HSV	313°, 100%, 96%
XYZ	47.2881, 23.2627, 52.4672
YIQ	95.2570, 84.0670, 111.9630

Conversions

Conversions Part 2

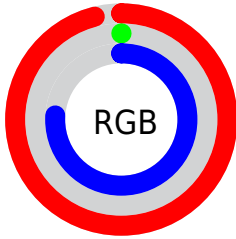
Format	Color
R _Y B	245, 0, 193
Decimal	16056513
CIE Lab	55.34, 88.69, -33.79
CIE LCh	55, 94.906, 339.140
Yxy	23.2627, 0.3844, 0.1891
Android (android.graphics.Color)	4294246593 (0xFFFF500C1)
YUV	95.2570, 48.1873, 131.3246
Hunter-Lab	48.2314, 90.6039, -30.7349

Details

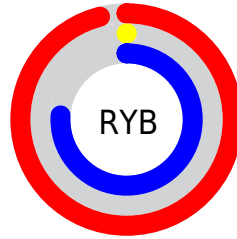
The Yxy color **23.2627, 0.3844, 0.1891** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **65.5615, 0.2945, 0.5803**, and the grayscale version is **11.3776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2765, 0.3239, 0.1915**, and **12.0544, 0.3943, 0.1946** is the 20% darker color. If you saturate the color by 10%, you get **23.2667, 0.3844, 0.1891**, and if you desaturate by 10%, it is **24.1770, 0.3765, 0.1888**.

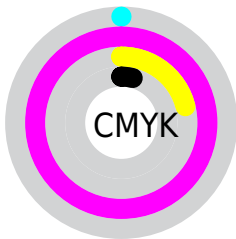
Distribution



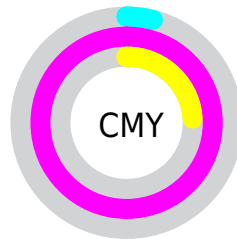
- Red (96%)
- Green (0%)
- Blue (76%)



- Red (96%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2627, 0.3844, 0.1891 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.2627, 0.3844, 0.1891 by changing the saturation by 10% instead.


 23.2627, 0.3844,
0.1891


 23.2627, 0.3844,
0.1891


269.0714, 0.3495,
0.2565


 14.7876, 0.3926,
0.1735


 48.8243, 0.3720,
0.2128


 8.6705, 0.4028,
0.1542


 66.6796, 0.3673,
0.2219


 4.5269, 0.4157,
0.1302


 88.4305, 0.3632,
0.2298

 1.9724, 0.4322,
0.1000

 114.4612, 0.3597,
0.2366

 0.5914, 0.4547,
0.0600

 145.1563, 0.3567,
0.2425

 0.0000, 0.4893,
0.0000

180.9001, 0.3540,

 0.0000, 0.5110,

0.2477

0.0000

222.0770, 0.3516,
0.2524

■ 0.0000, 0.0000,
0.0000

■ 23.2627, 0.3844,
0.1891

■ 23.2627, 0.3844,
0.1891

■ 23.2667, 0.3844,
0.1891

■ 24.1770, 0.3765,
0.1888

■ 25.9442, 0.3682,
0.1926

■ 28.8317, 0.3597,
0.2012

■ 32.9976, 0.3512,
0.2141

■ 38.5748, 0.3431,
0.2303

■ 45.6791, 0.3356,
0.2489

■ 54.4147, 0.3287,
0.2689

■ 64.8764, 0.3226,
0.2893

■ 77.1517, 0.3173,
0.3095

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.2627, 0.2294, 0.1415



23.2627, 0.3844, 0.1891



23.2627, 0.5488, 0.2600

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.2627, 0.3844, 0.1891



23.2627, 0.4485, 0.5487



23.2627, 0.0837, 0.2001

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.2627, 0.3844, 0.1891



65.5615, 0.2945, 0.5803

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.2627, 0.1117, 0.3497



23.2627, 0.3844, 0.1891



23.2627, 0.3167, 0.6383

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.2627, 0.3844, 0.1891



23.2627, 0.5602, 0.4311



23.2627, 0.1948, 0.5689



23.2627, 0.0928, 0.1385

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.2627, 0.3844, 0.1891



23.2627, 0.6059, 0.3115



23.2627, 0.1948, 0.5689



23.2627, 0.0881, 0.2378

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.2667, 0.3844, 0.1891



59.5185, 0.3288, 0.2688



7.2465, 0.1587, 0.0648



11.8273, 0.3316, 0.2602



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.2667, 0.3844, 0.1891



25.4722, 0.3846, 0.1892



19.9029, 0.5806, 0.2972



16.7045, 0.3170, 0.3105



12.5537, 0.3832, 0.1884



1.1180, 0.3738, 0.1833

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.2667, 0.3844, 0.1891



25.4722, 0.3846, 0.1892



68.2735, 0.2532, 0.4316



16.7045, 0.3170, 0.3105



12.5537, 0.3832, 0.1884



1.1180, 0.3738, 0.1833

Previews

White Background



This preview shows how the Yxy color 23.2627, 0.3844, 0.1891 looks on a white background.

Color Contrast Check

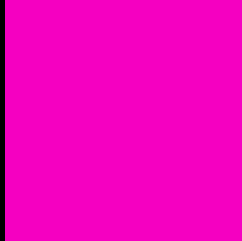
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.2627, 0.3844, 0.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2627, 0.3844, 0.1891

Background



This preview shows how black text looks on a background with the Yxy color 23.2627, 0.3844, 0.1891.



This preview shows how white text looks on a background with the Yxy color 23.2627, 0.3844, 0.1891.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.2627, 0.3844, 0.1891

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

23.8318, 0.2556, 0.2503



Tritanopia

23.5809, 0.5341, 0.3261

Trichromacy



Original Color

23.2627, 0.3844, 0.1891



Protanomaly

16.6798, 0.2198, 0.1372



Deuteranomaly

17.8428, 0.2945, 0.1915



Tritanomaly

21.8451, 0.4882, 0.2659

Monochromacy



Original Color

23.2627, 0.3844, 0.1891



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.3544, 0.3494, 0.2169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2627, 0.3844, 0.1891 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(245, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 193)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(245, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 193) }
```

Border

The CSS property to change the border of an element to Yxy 23.2627, 0.3844, 0.1891 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 0, 193) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(245, 0, 193) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(245, 0, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2627, 0.3844, 0.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 193) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(245, 0,  
193) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor